OHIO STATE UNIVERSITY
FEB 25 1950
LIBRARY

B&3

Index to Gleanings in Bee Culture

Volume LXXVII, 1949

In using this index the reader should not fail to note that it is divided into four departments, namely: General, Editorials, Contributors, and Illustrations. The index of General includes everything except Editorials, Illustrations, and Contributors.

General

A

Advertise, you must 205
AFB, sulfa treatment of 13, 88
Aguinaldo, wonder plant of Cuba 554
Alabama 41, 445, 773
Alfalfa seed production, avoid bee poisoning during 293
Amazon Valley, beekeeping in 622
American Beekeeping Federation 144, 778
Honey Institute booklets for sale 703
News notes 107, 159, 223, 299, 387, 439, 515, 570, 654, 702, 761
Seed Trade Asso., resolution of 349
Annotations 90
Annual report 84, 146
Ant-proof hive stand 149
the, exit 565
Apiary, an island 545
inspection goals 210
of one colony in Maryland 84
regulations of Florida 630
Apple dumplings, honey 87
pie, deep dish, honey 87
Apricot Bavarian, honey 151
Areas, small, bees work 612
Arizona 164
Artificial insemination, queens reared by 275, 279

B

Bavarian beekeeper wants to correspond with American 551
Bee feeding, streamlined 137
food, leaving honey in brood chamber for ..762
giant, of India, getting honey from 358
martin and martin 492
Beekeeper, small, economic value of 609
what's ahead for 9
Beekeepers, challenge to 485
of Ontario 614
Beekeeping conditions in extreme north 552
Congress International 631
economic trends and problems 347
educating oncoming generation 485
experiments at Rothamsted, Eng. 288
in Amazon Valley 622
in Israel 655
in No. Car. 201
rationalized 624
Bee poisoning, avoid during alfalfa seed production 293
Bees abandon brood chambers for empty super 30
build burr combs 762
build drone cells 563
carrying out brood 382
display perfect teamwork 365
hanging around toilet 518
how to get from siding of building 763
how to quiet before handling 562
in Bolivia 273
language of 571
lazy 433
midwinter inspection of 17
moving 519
natural protection for 746
on the snow 152
packing in Minnesota 755
perform a miracle in pollination 139
setting out of cellar ..291
transferring to new hives 763
undesirable, how to kill 562
wild, engineered by engineer 22
Beeswax, digestibility 518
effect of metal on 290
Beginner, a beginner's ..206
Bittel, Henry, to the rescue 513
Blue ribbon helps honey sales 221
Bolivia, bees in 273
Book in German on training bees 494
Books
City of Bees 234
Behavior of Bees 234
Beekeeping in Britain 234
Bee Community 234
Wise Encyclopedia of Cookery 234
Booklets for sale by Honey Institute 703
Bottom board, placing excluder over 452
Bran pastry shell 690
Bread, honey rye graham 619
honey 619
Breakfast, good, eat a ..212
British Columbia 165, 577
hurrah for 755
Brood, bees carrying out 382
Brood chamber, bees abandon for empty super 30
manipulating for comb honey 698
Brood diseases, differentiating characteristics ..386
identification 287
Brown betty, honey 87
Buggy ride with honey bees 207
Burnside, Dr. C. E., dies 695
Butterscotch sauce, honey 431
Buzz bombs are old stuff 559

C

California 35, 99, 161, 162 227, 303, 375, 443, 507, 575, 643, 707, 767
migratory beekeeping in 352
wax salvage plant in 680
Candy, honey in 299
Carniolans vs. Italians or Caucasians 556
Caucasians, neglected? ..428
or Italians vs. Carniolans 556
pro and con 682
Cellar, setting bees out of 291
Cell cups, wooden, used more than once 519
Chocolate bars, honey 745
Chunk comb finding eager market 752
honey production, comb foundation for 382
Clover, number of colonies per acre 30
Coffee cake ring, cranberry filled honey 745
Colonies, number of per acre of clover 30
two-queen, temporary 43
uniting in fall, is it feasible 453
Colony, weak, strengthening 563
Colorado 103, 232, 448, 580, 769
Comb building, nice job of 695
foundation for chunk honey production 382
Comb honey, manipulation of food chamber for 698
producing over 2-story colonies 364
production 79, 148, 216, 282, 356
production, sure fire formula for 222
Combs get mouldy in winter 698
granulated, what to do with 222
storing during winter ..95
Congress, International Beekeeping held in Amsterdam 631
Connecticut, one method of packing for 639
Cookies, honey drop 25, 561
honey spice 561, 690
Costs of producing honey 620
Cotton as a honey plant 345
Cranberry filled honey coffee cake ring 745
honey milk 431
Cuba, wonder honey plant of 554
Cup cakes, spice 287
Customers, letting them taste honey 369
Cyanogas, is honey edible after its use? 632

D

Diary of a real amateur beekeeper 26

SF521
G5
V.77

Differentiating characteristics in diagnosing brood diseases 386
Disease, brood, identification 287
Double-hive arrangement 80
Dried fruits, honey ways with 151
Drinks, hot weather 431
Drone and queen trap, use of 290
cells, bees build 563
Dry weather in New England stymies honey yield 754
Dumplings, honey apple ..87
Dust, 5 percent, effects of on honey bees 558

E

Easy and so good 286
Economic trends and problems of beekeeping 347
value of small beekeeper 609 ..
80 years among the bees 42, 106, 158, 237
Engineer engineers wild bees 22
England, Rothamsted, beekeeping experiments at 288
Espy, John B., old timer 359
Europe, trip to 737
Excluders and traps, do they hinder bees? 421
Exit the ant 565
Extracted honey, feeding to bees for winter 698
Extracting room, proper temperature for 762
the crop 417
Extractor, keeping clean 563

F

Federation, American Beekeeping 144
Feeding extracted honey to bees for winter 698
streamlined 137
Flavor of honey, judging 688
Florida, apiary regulations of 630
Food chamber, shallow, keeping below standard brood chamber 31
Forecast cooler 493
Formula for comb honey production 222
Frame, double-depth, made practical 498
Frames, spacing in extracting supers 382
Frosted honey creams 561
Frosting, honey butter ..357
honey caramel 357
honey fluffy 5-minute 357
Fruit cake, honey 745
Fruity and good 87
Fuel for smoker 290, 621

G

Galvanized tanks vs. iron drums for honey 632
tub for honey 152
Government assistance of uncertain value 74

H

Healing power of honey 346
Hearing device, does it agitate bees? 452
Heating honey, a possible method of 31
Hive, double, arrangement of 80
parts, sterilizing 95
records 95
stand, ant-proof 149
Hives, lye for disinfecting 152
painted and unpainted 516
painting 213
painting inside of 698
Honey, a hint on selling 86
a possible method of heating 31
apple dumplings 87
apple pie, deep dish 87
apricot Bavarian 151
bees, buggy ride with 207
bees, effect of 5 percent dust on 558
bees work small areas 612
breads 619
brown betty 87
butterscotch sauce 431
chocolate 431
chocolate bars 745
costs of producing 620
creams, frosted 561
crop, marketing 1948 ..73
crunch ice cream 493
dark, in food chamber, darkens light honey 152
desert, jellied 493
drop cookies 25, 561
each one is a 690
enthusiast, Miss Janie McDill 389
fig-nut torte 151
frostings 357
fruit cake 745
galvanized tub for 152
getting from "The Bee" 358
goes to Antarctica 638
granulated, processing 699
healing power of 346
horse and buggy methods sell 481
in candy 299
is good for you 296
is it edible after use of Cyanogas? 632
judging flavor of 688
leaving in brood chamber for food next spring 762
lemon sauce 87
let's sell this Christmas 673
letting customers taste 369
milk shakes 431
more, we can sell 208
peparoons 25
plant, cotton as 345
popcorn balls 25
pineapple sauce 87
preparing for storage 383
processing for market 222, 518
production in 1949 717
pumpkin pie 690
raisin pie 151
refrigerator rolls 619
rye graham bread 619
sales, blue ribbon helps 221
spareribs 690
spice cookies 561, 690
spice cup cakes 287
table grade, USDA to buy 283
ton of from one colony 487
treats for the cookie jar 561
unripe, putting back into hives 762
USDA buys 384
waffles 287
ways with dried fruits 151
when is it ripened? 562
why eat? 491
Horse and buggy methods sell honey 481
Hybrid queens, available for test purposes 279

I

Ice cream, honey crunch 493
Illinois 306, 711
Minnesota, North Dakota summer meeting 583
state meeting 782
India, giant bee of, getting honey from 358
Inner cover block, removing during winter 30
Insemination, artificial, of queens, apparatus for 360
Inspection goals, apiary 210
of bees, midwinter 17
International Beekeeping Congress held in Amsterdam 631
Introducing queens 633
Iowa 101, 229, 510, 577
Iron drums vs. galvanized tanks for honey 632
Island apiary 545
Israel, beekeeping in 655
Italians or Caucasians vs. Carniolans 556

J

Jellied honey dessert 493
Just News 34, 98, 160, 236 297, 384, 451, 520, 584, 653, 718, 780

K

Kansas 306, 709
Kelley's Island, queens reared on 279

L

Laboratory, legume seed research 423
Language of the bees 571
Lazy bees 433
Legume seed research laboratory 423
Lemon pie, frozen 493
Let's resolve 25
Live and learn 91
Lye for disinfecting hives .. 152

M

Magnifier for beekeepers 638
Manitoba 40, 378, 710
Marketing '48 crop of honey 73
Martin and bee martin 492
Massachusetts 447, 774
Metal, effect of on beeswax 290
Michigan 104
Migratory beekeeping in Ontario 350
California 352
game 352
Milk shakes, honey 431
Minnesota 165, 646
beekeepers' annual convention 783
packing bees in 755
summer meeting 583
Mississippi 232, 645
Missouri 307
prospects good in 503
Mittens, wear, and saw wood 685
Moisture in honey, reducing before extracting 563
Montana 104, 509
Moth, getting rid of 95, 699
Moths love darkness 516

Moving bees 519
short distance 383
Muth, Fred W., death of 383

N

National Federation meeting 44, 76
Honey Week, possibilities of not used 75
Nebraska 38, 772
New England, dry weather stymies honey yield 754
New Jersey 648
New York 38, 380, 713
State meeting 779
North Carolina, beekeeping in 201
North Dakota 379, 711
summer meeting 583
North, extreme, beekeeping conditions in 552
Nosema, observations on 740
Nucleus and package, difference between 763
Nucs, keeping for requeening 518

O

Ohio 308, 712
Ontario summer meetings 568
Oklahoma 39, 445, 770
Old timer in Washington State 359
One-colony apiary in Maryland 84, 146
Ontario 309, 381, 449, 511, 581, 648, 714, 774
beekeepers 614
migratory beekeeping in 350
Oregon 579

P

Pacific Coast, bee-gathered pollen on 18
Pack or not to pack 676, 699
Package and nucleus, difference between 763
Package bees make good 693
shipments of in 1948 ..233
one, absconds 519,
Packing for Connecticut, one method of 63
Packing vs. non-packing, reply to Mr. Taylor 43
Painted and unpainted hives 516
Painting hives 213
inside of hives 698
Palladius on husbandry 214
Pastry shell, bran 690
Pays me to do things wrong 284
Pelee Island, queens reared on 275
Pennsylvania 647
Peparoons, honey 25
Perigo, Gilbert, succeeds G. L. Hodson as Indiana chief bee inspector 585
Piano box storage 754
Pie, frozen lemon 493
honey apple deep dish 87
honey pumpkin 690
honey raisin 151
Pole, bean, swarm clusters on 285
Pollen, bee-gathered, on Pacific Coast 18
supplement in queen rearing 142
Pollination, bees perform a miracle in 139
conference in Seattle 388, 454
Popcorn balls, honey 25
Poultry, part time for beekeepers 11
Protection, natural, for bees 746

Q

Queen and drone trap, use of 290
bees, twin 693
excluders and traps, use of 633
finding the 698
Queens and mating 517
artificial insemination of 360
born to be 275
do they lay during winter 562
introducing 633
multiple, the question of 548
reared by artificial insemination 275, 279
rearing, value of pollen supplement in 142
what route she takes ..290

R

Raisin pie, honey 151
Rayburn, Sam, says honey is good for you 296
Records, hive 95
Regulations, apiary, of Florida 630
Requeening, a safe method 91
as swarm control measure 152
keeping nucs for 518
Resolution of American Seed Trade Asso. 349
Rhode Island 166
Rolls, honey refrigerator 619
30-minute 619
Route, what one does the queen take? 290

S

Sales tales 432, 502, 564, 650, 696, 776
Saskatchewan 231
St. Louis meeting, highlights of 44, 76
Sauce, honey lemon 87
honey, pineapple 87
Scotland, report from ..694
Second Glances ..27, 94, 150, 217, 289, 371, 438, 499, 560, 629, 692, 760
Section comb honey production 79, 148
Seed research laboratory 423
Selling honey, a hint on 86
Shipments of package bees in 1948 233
Siftings 235, 370, 515, 589, 691
Smoker, fuel for 290, 621
Snow, bees on 152
Song of the Wild Bees, stanza from 105
South Carolina 102, 510, 773
Southern States Bee Culture Field Laboratory 748
Spareribs, honey 690
Spice cup cakes 287
Sterilizing hive parts 95
Stings 496
Stokes, Everhard, author of "Poems of a Beekeeper" 105
Storage, preparing honey for 383
Storing combs during winter 95
Sulfa in treatment of AFB 13, 88
more scientific experiments needed 281
Super, comb honey, instead of excluder 453
shallow, putting under brood chamber 382
Supers, extracting, spacing frames in 382
Supersedure and swarming 632
Swarm clusters on bean pole 285
control measure, requeening as 152
determining which hive has cast one 453
for observation hive uniting with weak colony 563
late, what to do with 632
prevention method 364 425
stopping with mirror 694
stray, cooperates 22
Swarming and supersedure 632
reasons for 31

T

Talk to beekeepers 28, 92, 153, 218, 294, 366, 434, 500, 566, 634, 700, 758
Tennessee 164, 578
Texas 36, 102, 163, 229, 305, 377, 450, 512, 580, 645, 715
Toilet, bees hanging around 518
Ton of honey from one colony in one year 487
Torte, honey fig-nut 151
Trailer ideal for bringing in honey 611
Training bees, book on ..494
Transferring bees to new hives 763
Traps and excluders—do they hinder bees? ..421
use of 633
Twin queen bees 693
Two-queen colonies, temporary 43

U

Uniting in fall, is it feasible? 453
Unpacking vs. packing, reply to Mr. Taylor 43
USDA to buy table grade honey 283
buys honey 384

V

Vermont 308, 647
Virgil and the bees 365
Virginia 380, 772
summer short course ..652

W

Waffles, honey 287
Wax, how to render and prevent from discoloring 452
salvage plant in California 680
What's ahead for the beekeeper? 9
Who's who in apiculture 292
Why eat honey? 491
Winter, combs get mouldy in 698
removing inner cover block during 30
Wisconsin 38, 446, 771
summer meeting 582
Wyoming 37, 447, 769

Y

Yuletide honey gifts 745

853830

Illustrations

A

Adie, Alister 569
Aguinaldo 554
Aluminum, sheet of, removable 625
American Beekeepers' Federation meeting 44
Honey Institute booklets 703
Ant-proof hive stands March cover
Apiary, back yard, of Mrs. Glassburn 716
house on Kelley's Island 568
in Baytown, Texas 143
in Bolivia 274
in church yard ....August cover
in Sweden 759
of Robert Hamilton 553
of A. G. Hammond ....457, July cover
of John Jessup 684
of Karl E. Killion 687
of Root Co., near Medina 635
of skyscrapers 487
on Pelee Island 569
on river's bank .....July cover, 457
packed for winter, half in black paper, half in straw 295
small backyard 609
App, B. A. 424
Apple pie, deep dish 87
Artificial insemination, apparatus for 361, 362
Australia, honey exhibit in 775

B

Backyard apiary 609
Bailey, Seymour 568
Barnes, Ralph W., apiary of in Texas 142, 143
Bavarian Alps, bee house in 739
meadow in 737
Bee house in Bavarian Alps 739
Beekeepers in No. Car. examining frames 781
of St. Louis County Beekeepers' Asso. 656
Bees packed in Minnesota 755
still being kept in box hives or log gums 204
transferred from log hive to modern 203
truckload, spilled on highway in Wyoming 16
truckload, that traveled all night 352
Benninghof, L. H., of Columbus, Ohio 429
Benson, Clarence 77
Bessonet, E. C. 77
Bilderback, Irma A. 424
Bittel, Henry, hives swarm of bees 513
Blackberries in bloom in No. Car. 204
Blooms seen along the road when hauling bees 353, 354
Boat to Pelee Island 569
Breakfast, honey-way ..212
Brewer, W. S., preparing queens for shipment 291
Briggs, H. A. Briggs, display of 750
Brood, scattered, symbolic of pollen starvation 203
Buchi, Robert 557
Buena Vista Hotel, Sky Lounge of 720, 778
Bushell, Arthur, in charge of work on Pelee Island 275

C

Cake, honey, exhibited by Carl Killion 21
Campus of Univ. of Wash. 454
Candy, honey, in bars ..299
Cartoon:
Bees for pollination 24
Straining honey 233
Put your bees in my orange grove 495
Keep the hogs out of the bee yard 613
Just set the water out for them 689
Cell cups 276
Chart of a bee's work one day 613
showing amount of heat in mid-winter vs. midsummer sun 627
character of early honey flows 202
cost of honey per pound 620
sun's heat in February 628
winter cluster with temperature at 46 degrees 628
pollen income 19, 20
Chickens with bees 10
Chunk honey in glass 752
Clay, Harold J. 73
Clubine, H. M., and sons 614
manufacturing plant ..614
Coffee cake, cranberry filled 745
Colony on scales 202
parent, in 1944 85
populous in February 219, 295
showing signs of swarming 368
Colonies in Calif. patio June cover
stripped after orange flow, for moving 355
Comb being uncapped 418
Comb honey, equipment for 216
honey production, equipment for 282
in wall of building, a nice 695
of honey, a perfect 283
of worker cells 219
uncapped by power uncapper 437
Combs, draining 617
ready to extract 420
two, suitable for extracting 436
Cookies, honey 561
Corn against the sky 11
field .....November cover
Country road scene ....October cover
Cranberry-filled honey coffee cake 745
honey milk drink 431
Culbert, Mrs. W. K. 489
Curtis, G. E. of Alamance Bee Co. 202
Cutts, Gene, of Florida, and family 761
Cuyahoga Co. beekeepers' meeting 783

D

Dandelions gone to seed May cover
Dean, John G. 424
deWilde, Dr. Y., Amsterdam, Holland 547
Deyell, Jack 582
Display of H. A. Briggs 751
of honey in Queensland, Aus. 775
Drip pans on wheels 419
Dunham, Norman 568
Dr. W. E. 424, 568, 783
Dr. and Mrs. W. E., at Kelley's Island 280

E

Eby, Alan, truck load of hives 781
Edwards, Mr. 568
Entrance, upper, above hand hold 146
Ephery, C. D. 569
Espy, John B. 359
Oertel, Everett 748
Extractor of Hodgson & Sons 616

F

Feeder can of syrup 637
for unit on truck 137, 138
Feeding a yard in late fall 137, 138
Filmer, Prof. Robert S. 557
Foster, Wade, super lifting device of 490
Foundation fastener, multiplex 149
Fox farming 12
Franks, Roscoe 568
Fruit bowl, honey 25

G

Garage roof in city, bees on 93
Gardner, Lloyd C. 77
Gatineau River rapids ..545
Glassburn, Mrs. M., backyard apiary of 716
Glicksburg, B. 655
Gouldin, H. R., examining bees in January 12
Grace, Harriett M. 77
at her desk 702
Grafting frame 277
Gran, Wm. T. 568, 744
Grout, Roy 44, 582

H

Hambleton, Jas. I. 76
Robert, apiary of 553
Hammond, O. G., apiary of July cover, 457
Hill as windbreak 17
Historical monuments for attracting tourists ..674
Hive body, 10-frame standard 548
carrier 220
double, two units 80, 82
double, unit, cross section of 81
packed for experimentation 369
with Bildrite board for winter protection 639
with side nuclei ..549, 551
Hives, double-story, two to a packing case 689
near a honey stand 674
on stilts in Calif. ....March cover
protected by black paper as well as windbreak 636

Hodgson, J. W., and sons 615
extractor 616
strainer 617, 618
uncapping machine 615, 616
Holcombe, Paul L. 557
Hoffman, Chas 44
Honey booklets put out by American Honey Institute 703
and butter mixed with electric mixer 286
bread toasted 619
cake on exhibit 21
candy in bar form 299
chunk, in glass 752
cookies 561
dessert, jellied 493
displays 208, 209
exhibit in Queensland, Aus. 775
fig-nut torte 151
frosting, fluffy 357
fruit bowl 25
grader, Pfund 696
house with pussy willows for shade 148
milk-cranberry drink 431
peparoons 25
pumpkin pie 690
signs 432, 481, 482, 483
stand of E. A. Meineke 432
stand, rustic, near Mt. Rainier 564
Hudson, C. J. 77
Huffman, Mrs. Phyllis ..582

J

Jessup, John and Frances, at work in their apiary 682
John, extmining his bees 683, 684
Jones, Glenn O. 76
Harry W. 649
Joubert, Julian, roadside honey stand 564

K

Keller, J. C. 568
Killion, Carl E. apiary of 687
Knierin, John 424
Knowlton, Dr. G. F. 521
Knudson, Robert 582

L

Legume Seed Research Laboratory, Columbus, O. 423
Long, Emerson 568
John 582

M

Mackensen, Otto 748
Magnifier for beekeepers 638
Ma, Shih-Chun, of Shanghai, China 521
Map showing relative locations of Pelee and Kelley's Islands 278
Mating yard in Baytown, Texas 142, 143
McDill, Miss Janie 389
Meineke's roadside honey stand 452
Migratory beekeeping, care needed in handling hives 354
equipment for 354
Miller, Marilyn 777
Woodrow 76
Minnesota, bees packed in 755
Munro, Dr. J. A. 210

N

Niedengard, Henry E. 557
North Carolina beekeepers examining frames ..781
Nothstein, J. D., and two of hives 587
Nuclei, side, or blisters 549
Nye, W. P. 521

O

Observation hive interests school boys 485
Orange trees in bloom ..353
Orchard in bloom 139

P

Packing bees for winter 676, 677, 678, 679
Parker, Dr. R. L. 77
Pear tree in bloom ....April cover
Pease, C. H. 421
Pelee Island queen rearing 275, 276, 277
Peparoons, honey 25
Perach, Naftaly 655
Perigo, Gilbert 585
Pfund honey grader 696
Pie, honey pumpkin 690
Pollen substitute in wax bags 138
Protection, natural, for bees 746, 747

Q

Queen and workers on a comb 567
rearing yard on Pelee Island 569
Queens, two in a cell 693

R

Rabbits with bees 10
Reese, Chas. 568
Rennie, Leonard, with his original colony 84
Roadside honey stand ..432, 481
Roberts, Dr. W. C., operating hive on Kelley's Island 279, 280
operating insemination apparatus 361
Robinson, Frank 748
Root Co., A. I., apiary well protected 586
apiary near Medina 635
Root, Alan 568
H. H. 557

S

Sage, black or button 354
white or silver 354
Schnetler, E. A. 489
Schrieber, Joseph 655
Seattle Yacht Club 388
Secrest, Russell 424
Selman, Roland W. 77
Shallow super of honey examining 9
Shelley, Nelson P. 557
Shields, Thomas 649
Shinkle, C. D. 568
Sidewalk honey stand built by boy 651
Signs for roadside stands 673, 674
Skep hives in Holland ..155
Skyscraper in South Africa 487
Smith, Glen, examining bees 355
Snow-covered hives in Ontario 746, 747
Sourwood bloom 201
Southern States Bee Laboratory staff 748
Stand, double-hive 82
St. Louis-St. Louis County Beekeepers' Asso. ..656
Stephen, W. A. 205
Stokes, Everhard, in his apiary in N. J. 105
Mary 105
Storage tanks 419
Super-lifting device 490
of honey, shallow, examining 9
Swarming, colony showing signs of 368
Swarm clustered on bean pole 285
in high tree 22, 23
on tree on busy street 513
prevention, equipment for 425, 426, 427
Sweden, apiary in 759
Sweet clover in 1949 in Hodgson area 615

T

Tapia, Sr., Trophon, in his apiary in Bolivia 274
Todd, Frank E. 521
Tontz roadside honey stand 481, 482, 483, 484
Town Hall on Kelley's Island 568
Townsend, G. F. 350
Trailer for hauling hives 611
Transferring bees 203
Truckload of hives of Alan Eby 781

U

Uncapping combs 435
honey at Hodgson honey house 615

V

Vine support, rustic 675
von Frisch, Dr. Karl 385

W

Warrick, Nan 748
Water blobs on glass on top of hive 626
Waterman, William 582
Wax moth constant menace 204
Whitcomb Jr., Warren ..748
White, Dr. J. W. 77
Willson, R. B. 76
Windbreak, hill as 17
of sunfower stalks 146
Winter packing 676, 677, 678, 679
scene .....December cover
scene .....January cover
with carved tree ....February cover
Woodman, Baxter 568
Woodrow, A. W. 724
Wright, Percy H. 552

Y

Yucca blossoms .....September cover

Editorials

A

AFB combs, wax rendering plants for 705
Alaska, beekeeping in 765
AMA, seal of acceptance 156
"Apimondia", birth of 706
Aster 705
Austrialia progressing api-

culturally 573
Australian Honey Institute 97

B

Baking, honey, government project on use of 640
Baldensperger, P. J., death of 225
Bee books, old, still used 97
inspection, importance of 224
pasturage and pollination conference in Seattle 442
smokers, early 374
Beekeepers, beware of swindlers 765
win council fight 642
Beekeeping in Alaska ..765
international 506
programs, women needed on 706
progress report on 506
terminology 706
Bees, ample food for 642
and honey in Canada 442
don't stir them up 372
for pollination 373, 641
gentle, we need 33
have them near pollen sources 226
in towns and cities 504
need ample food 156
vicious, should not be tolerated 441
Beginners, sessions for at bee meetings 764
Bread, honey in 573

C

Canada, bees and honey in 442
Canadian government to purchase pasteurized honey 440
Candy vs. honey, consumption of 373
Chemicals, poisonous, apply intelligently 301
Clover, Ladino 374
Colonies, strong, moving 505
Colony morale 574
Comb honey, more needed 156
County associations, a job for 97
Crop prospects 440
prospects in the North 373

D

Drones 33

E

Electric lines, spray poison under 301
"Enemies of the Adult Bees" 505
Entrances, upper, at Medina '47-'48 33

F

Fall fairs, honey at 504
Federation's work in Washington 300
Fence post honey 33
Fermentation in honey, problem of 572
Food, bees need ample ..156
supply in hives, watch 301
"For Goodness Sake Eat Honey" 301

G

G. I. County Meetings ..766
"Golden Wonder of Honey" 301
Government support for honey price 96, 156, 224, 372, 765

H

Honey—an energy food ..32
at fall fairs 504
crop spotted 504
do we really believe in it? 764
fence post 33
fermentation of 572
flow, spring 442
for Breakfast Week ..224
for school lunches 302
houses, cleaner, needed 642
in bakery, government project on use of 640
in bread 573
industry, boost for 641
industry—whither bound? 441
is honey 505
pasteurized, Canadian government to purchase 440
price, government support for 156, 224, 372, 640
price granted 704
report for October '49 704
tariffs 157
ton of from one colony 504
vs. candy, consumption of 373
"Hope Springs Eternal" 573

I

Industry, boost for 641
our—whither bound? 441
Industry's hope lies in the younger generation 372
Inspection, bee, importance of 224
International beekeeping 506

L

Ladino clover 374
in New Hampshire 32
Leaks, stop 226
Legume Seed Research Laboratory 440
Local motion pictures 372
Looking ahead 32
Lorain Co., (O.) Association 764

M

Morrison Bill proposes honey price support 96
Motion pictures, local 372
Moving strong colonies 505

N

National Beekeepers' Asso. meeting at Biloxi 765
Nectars, variation in sugar content of nectar 224
New Hampshire, Ladino in 32
Peattie, Donald Culcross, new book by 301
Poison, spray, under electric lines 301
Poisonous chemicals, apply intelligently 301
Pollen, importance of 32
sources, have bees near 226
Pollination and bee pasturage conference in Seattle 442
bees for 373, 641
Price support bill, house passes, Senate blocks 572
proposed by Morrison Bill 96, 765
Prospects for fall flow promising 572

R

Research Laboratory, Legume Seed 440

S

School lunches, honey for 302
Seal of acceptance of AMA 156
Sell, to, we must tell 226
Signs, metal reflectorized 301
Smokers, early 374
Spray poison under electric lines 301
Spring honey flow 442
Sugar 641
content of nectars, variation in 224
Sulfathiazole 766
Swarms 440
Swindlers, beekeepers beware of 765

T

Tariffs, honey 157
Terminology, beekeeping 706
Thixotrophy and viscosity of honey 225

V

Viscosity and thixotrophy of honey 225
von Frisch, Dr. Karl, visiting U.S.A. 224

W

Wax rendering plants for AFB combs 705
Weather, the 96
Winter, how bees 705
Women needed on beekeeping programs 706

Contributors

A

Abushady, A. Z. 90
Alex, A. H. 36, 102, 163, 229 305, 377, 450, 512, 580, 645, 715
Anderson, E. J. 647
Andrews, L. L. ..35, 99, 161, 227, 303, 375, 443, 507, 575, 643, 707, 767

B

Bailey, J. S. 558
Barnes, Ralph W. 142
Barnes, Richard 631
Baune, Mrs. Nellie E. 26
Berglund, Ken 221
Brown, Allan T. 309, 381, 449, 511, 581, 648, 715, 774
Burnside, C. E. 740
Burr, Leslie 571

C

Carr, Elmer G. 287, 609, 648
Carroll, Clarence W. 516
Cashion, J. Banks 345
Clay, Harold J. 73
Collins, Robert J. 693
Copeland, Geo. W. 693

Coulter, W. A. 308, 712
Crouse, Albert L. 232, 580

D

Day, David I. 756
Deyell, M. J. 28, 92, 153, 218, 294, 366, 434, 500, 566, 568, 583, 634, 676, 700, 758, 779
Doherty, Catherine 206
du Bois, Wilbur L. 491, 638
Dunkle, D. Walter ..285, 695

E

Eckert, J. E. 35, 99, 163, 227, 303, 375, 443, 507, 575, 643, 707, 767
Edwards, Vincent 358
Erickson, John F. 579
English, R. E. 288

F

Farrar, C. L. 360
Finn, Frank 755
Ford, W. H. 369

G

Gardner, Lloyd C. 417
Gerstner, Englebert 80
Gibson, U. L. 299
Grace, Harriett M. 107, 223, 439, 570, 654, 702, 761
Gran, Jr., Wm. T. 137
Grout, Roy A. 144, 757

H

Harrington, Lyn 275
Hasler, Arthur D. 494
Hastings, Roy 164
Heacock, Roland T. 496
Holzberlein, Jr., John W. 104, 448, 769
Hudson, Jr., C. J. 752
Hummel, E. P. 621

I

Isaacson, C. M. ..27, 94, 150, 217, 289, 371, 438, 499, 560, 629, 692, 760

J

Jessup, Frances 682
John, ...682
Johnson, J. E. 503

K

Kalthoff, Carl 307
Katznelson, H. 13, 88
Keller, Wayne 17, 498
Kelly, Roy W. 638
Kelty, R. H. 104
Killion, Carl E. 306, 711
Knowlton, Prof. Geo. F. 293
Koover, Chas J. 149, 213, 565
Kotze, W. A. G. 487
Krebs, H. M. 680

L

Latham, Allan 516
LeMaistre, W. G. 620
Little, Leslie 164, 578
Lyle, Clay 232, 645

M

Martin, E. C. 40, 378, 710
McMasters, V. K. 39, 445, 770
Menke, Herman F. 359
Miller, E. S. 43, 364
H. G. 41, 445, 773
Moeller, F. E. 494
Morehouse, Bruce ..166, 646
Mraz, Chas. 208, 647
Munro, J. A. 210, 379, 711

N

Neal, Irene Craig 754
Newell, R. E. 447, 774
Nielsen. Benj. 509, 772
Nielsen, Mrs. Benj. 25, 87, 151, 212, 286, 357, 431, 493, 561, 619, 690, 745

O

Olsen, C. E. 139
Ordetx, G. 554

P

Paddock, F. B. 229, 577
Paisley, Tom 205, 433, 502, 564, 650, 696, 776
Pangburn, W. S. 101, 510
Parker, R. L. 306, 709
Patton, Robert D. 347
Peabody, R. W. 166, 485
Pearcey, G. F. 165, 577
Pease, C. H. 284, 421
Perreault, Edward F. 754
Pete, Propolis 91
Phillips, Dr. E. F. 214
Phillips, Geo. W. 425, 548
Pile, Parson 104, 509
Prevost, E. S. ..102, 510, 773
Pugh, R. M. 231

R

Rahmlow, H. J. 38, 208, 446, 582, 611, 771
Rasmusson, Phyllis 311
Rayburn, Sam 296
Rea, George H. 43
Reed, Earl S. 37, 447, 769
Rehman, Geo. 79, 148, 216, 282, 356
Rennie, Leonard C. ..84, 146
Reuter, Jr., Wm. 281
Revell, I. L. 740
Root, E. R. 42, 106, 158, 237, 298, 383
H. H. 428, 614, 655, 688, 782
Rowland, M. J. 746

S

Scarborough, A. B. 22
Scherff, Louis S. 639
Sechrist, E. L. 685
Selwyn, H. Harley ..207, 545
Shaw, F. R. 558
Shedd, L. M. 273
Singh, Sardar 612
Skilling, Robt. N. H. 694
Slack, Matt 694
Snyder, Penn G. 517
Sorheiro, Jicio Mariollino 622
Stephen, W. A. 201
Stoddard, Alfred B. 365
Swisher, H. R. 556

T

Taylor, Merritt I. 624
Thomson, A. V. 492
Todd, Frank E. 18
Tontz, Clarence ..9, 352, 481, 673
Tooke, Alfred I. 559
Toth, A. 346
Townsend, G. F. 350
Twigg-Porter, George 365

V

Vansell, Geo. H. 18

W

Weatherford, H. W. 381, 772
Whitcomb, Jr., Warren ..748
Willson, Robert B. 737
Wintzer, Harold 551
Wixson, Roscoe F. ..380, 713
Wright, Percy H. 552